

Team, Individual, Precision, Ballet & Innovative

Τεαμ

Ινδιδιδυαλ

Πρεχισιον

Βαλλετ

Ιννοδατιδε

The Kite Store Presents

Introduction

Finally, we have made the effort to produce a catalogue pertaining to serious Stunt Kites that has a reasonable number of drawings and descriptive text. Models in this catalogue as follows.

Skynasaur F36, Aerobat, C74, SW48 & C26 Skyfoil

Hawaiian Team Kite
Sky Dart
Fire Dart

Spin Off
NoName
Flexifoil Skysails

The Kite Store Ltd, 48 Neal Street, London WC2H 9PA

Tel; 01-836 1666

Fax; 01-836 2510

Hawaiian Team Kite & the Spin-Off.

Serious competition flying time folks! The Team Kite & Spin-Off are designed to give the crisp, precise flying needed to succeed in the cut-throat world of Precision, Ballet & Innovative Competition flying.

Each kite in the range is available in Standard or Ultralight versions- the Standard version uses 10mm hollow spiral wound GRP tube and the Ultralight version uses 8mm tube. We also offer our own Hyperlight frame upgrades using 5.5mm carbon fibre tube which has the stiffness of the 10mm glass at 40% weight saving over the 8mm glass!

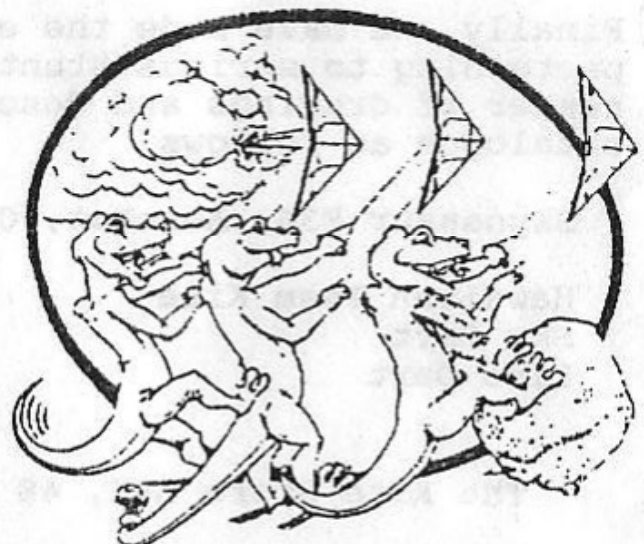
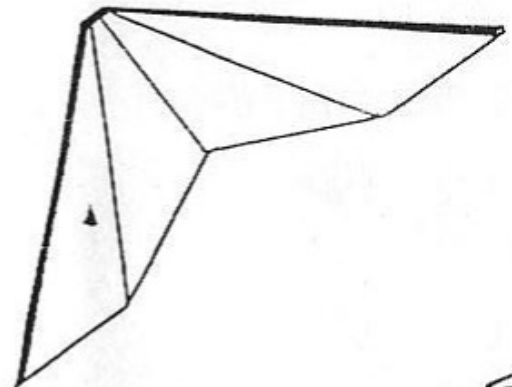
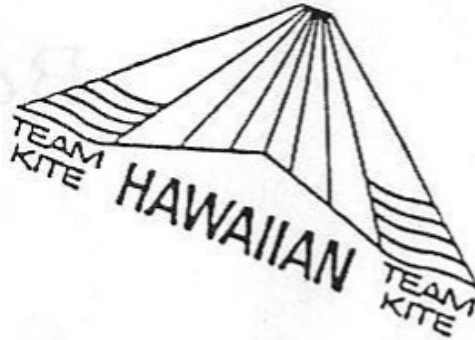
Hawaiian Team Kite

In the beginning Don Tabor didst begat the Team Kite. And it was good. Verily, D.T and the Top of the Line flight team didst go out and slayest their enemies for two years with this kite. The Team Kite is now a classic kite in its own right- the solid performance in winds varying from 6-15mph have made it very popular with many teams. The only significant detail upgrade since the kite was introduced has been the fitting of whiskers to prevent sail stall at very low flying speeds. Supplied without lines or handles (use 200/300lb spectra).

Basic Team Kite	£ 92.00
Custom Team Kite	£ 120.00
Ultralight Team Kite	£ 118.50

Whisker sets are supplied free with these kites on request- use them, they do make a great difference to ease of manoeuver.

We should, in theory, have all the colour combinations made available- enquire for chart.



Spin-Off

Just when you thought you had learned to fly the Team Kite really well, TotL introduced the Spin-Off. Not only did it turn quicker, it proved faster and didn't have the nasty tip stall of the Team Kite.

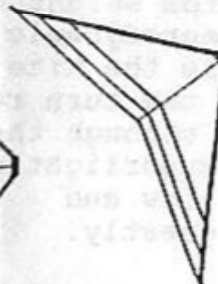
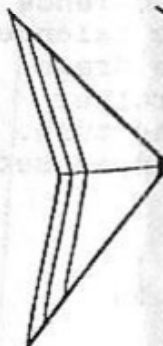
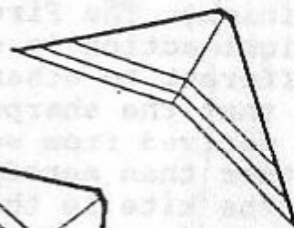
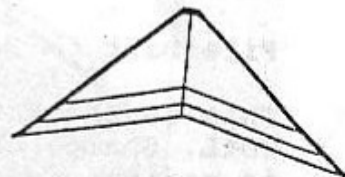
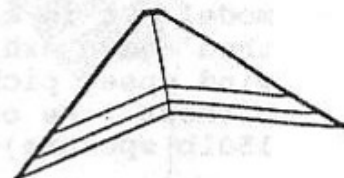
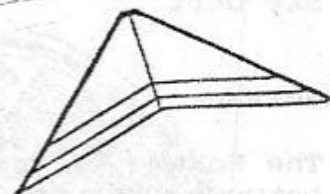
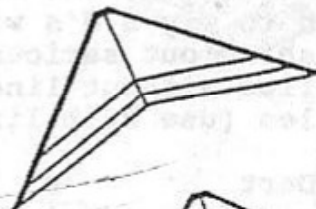
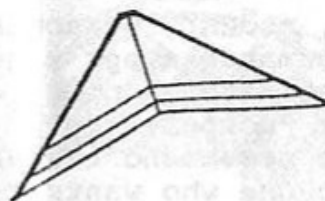
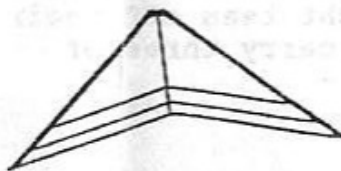
However, in this world you don't get something for nothing and in the case of the Spin-Off the catch was amount of wind needed to perform. The shape of the Spin-Off means that the effective sail area is sharply curtailed compared with the standard Team Kite even though it has the same span. This means it has a tendency to stop dead as the wind drops. This prompted TotL to introduce the Ultralight version which by reducing the flying weight meant that the low wind performance was comparable to the Team Kite. In the last 6 months we have taken this even further with the introduction of the Hyperlight frame set which gives the speed of the standard frame with even better low wind performance. I consider this kite (with HL frame) to be the best competition kite available- NB. use Basic pattern kite. Supplied without line or handles (use 150lb/150ft spectra).

Basic Spin-Off	£ 92.00
12 Panel Spin-Off	£ 98.50
Ultralight Spin-Off	£ 92.00

Hyperlight Frame Sets

Our Hyperlight frame sets are made from 5.5mm carbon fibre tubing and are supplied as uncut sets containing enough tube, nocks, joiners and a T fitting to convert a Team kite, a Spin-Off or a Fire Dart. Full instructions and tips are included.

Hyperlight Frame Set	£ 30.00
----------------------	---------



Action Kites

Action Kites are TotL main competition in the serious stunter market. Indeed, one of the designs they now produce was responsible for knocking the TotL flight team off their pinnacle. We carry three of their models:-

Sky Dart

A compact, modest, reasonably high performance swept wing without the size or price of the larger "competition" models. We recommend the Sky Dart to anyone who wants to learn to fly S.W.'s without splashing out serious money. Supplied without line or handles (use 80lb line).

Sky Dart £ 37.50

NoNaMe

The NoNaMe is in the grey area between trainer & competition model. It is easy to fly but then again exhilarating as the wind speed picks up. Supplied without line or handles (use 150lb spectra).

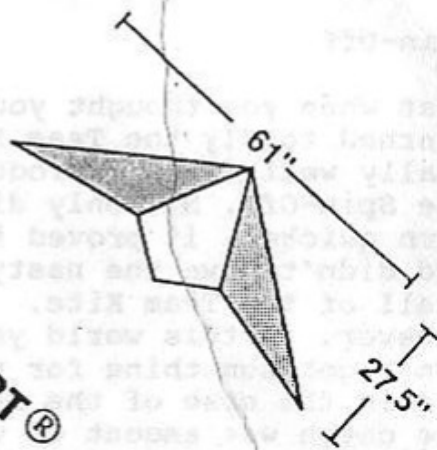
NoNaMe £ 52.00

Fire Dart

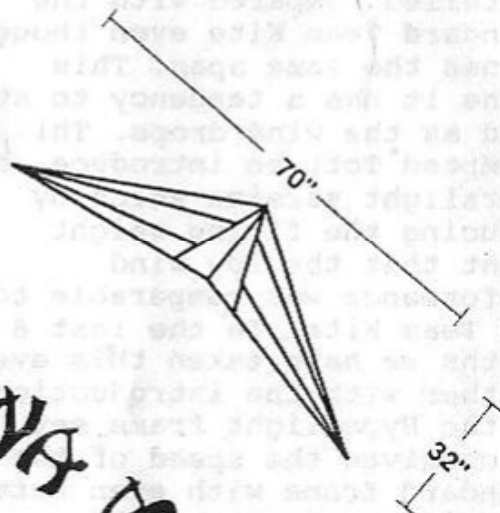
This is the kite that toppled TotL. Sharp, crisp manoeuvres in medium winds, but difficult light wind performance (my opinion). The Fire Dart's flight action is somewhat different to other swept wings in that the sharpness of turn is derived from weight balance rather than aerodynamic balance in the kite ie the kite drags backwards in the turn rather than driving through the turn. Fitting our Hyperlight spar set improves the low end performance greatly.

Fire Dart £ 93.50

SKY DART®



NO NA ME®



"FIRE DART"



Flexifoil Skysail

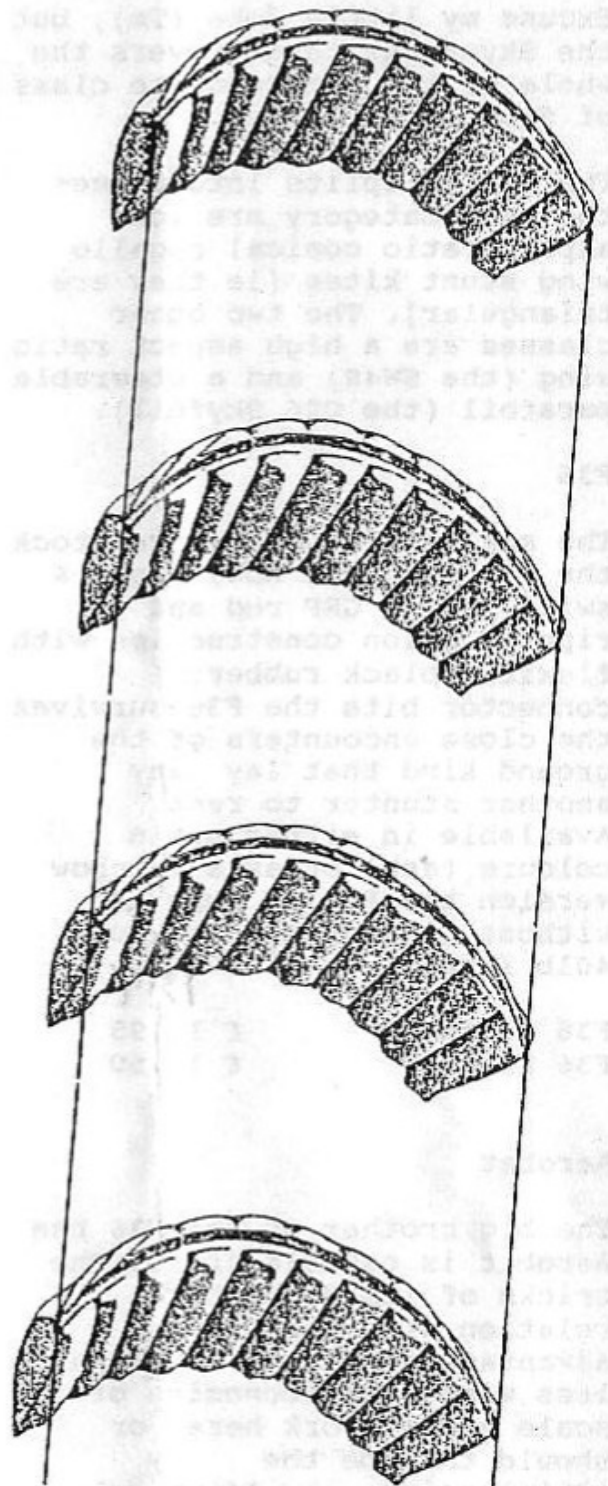
The Flexifoil Skysail kite is the fastest (in terms of sheer out & out speed) stunt kite available. Such speed comes at a price insomuch as the turn radius is not that sharp compared to the competition swept wings like the Hawaiian or Spyro-Jet, but you can't have everything. However for plain old fashioned "macho" sky domination the Flexifoil is unbeatable. It's also great fun to fly.

The only rigid component in the kite is the semi-flexible leading edge spar which is made from GRP or carbon fibre depending on the size of the kite. The sail portion is an air inflated reflexed aerofoil section. Being a proper aerofoil it has a definite minimum flying speed and needs about 10mph of wind speed to accelerate it to this airspeed at which point it takes off like a bat out of hell.

Possibly the most interesting real application for this kite has been in traction on land, sea and snow. Since the kite generates considerable pull when flying only relatively small sail areas are needed to propel people, boats, sledges etc. The 10ft size is the most popular choice for this sort of activity.

4ft Flexifoil	£ 36.95
6ft Flexifoil stacker	£ 47.50
6ft Flexifoil plain	£ 52.95
6ft Streaktip Flexi	£ 68.50
6ft Rainbow Flexi	£ 79.50
Super 10 Flexi	£ 108.00
Rainbow Super 10 Flexi	£ 138.85
Hyper 16 Flexi	£ 300.00

All kites except 4ft & Stacker supplied complete with lines & bar. Please enquire about suitable line systems for these kites and for train/traction flying.



Skynasaur (Tm)

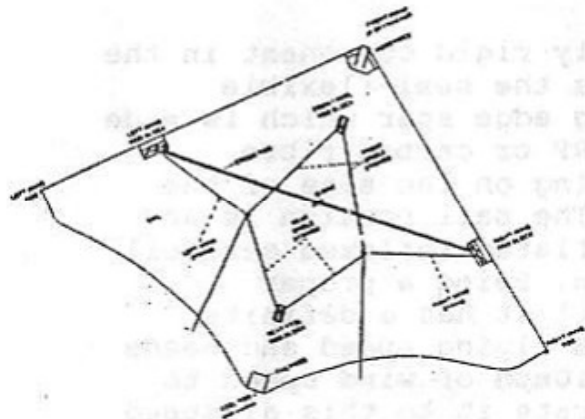
Excuse my little joke (Tm), but the Skynasaur range covers the whole of the intermediate class of Stunt Kite flying.

The family splits into three—the main category are low aspect ratio conical rogallo wing stunt kites (ie they are triangular). The two other classes are a high aspect ratio wing (the SW48) and a steerable parafoil (the C26 Skyfoil).



F36

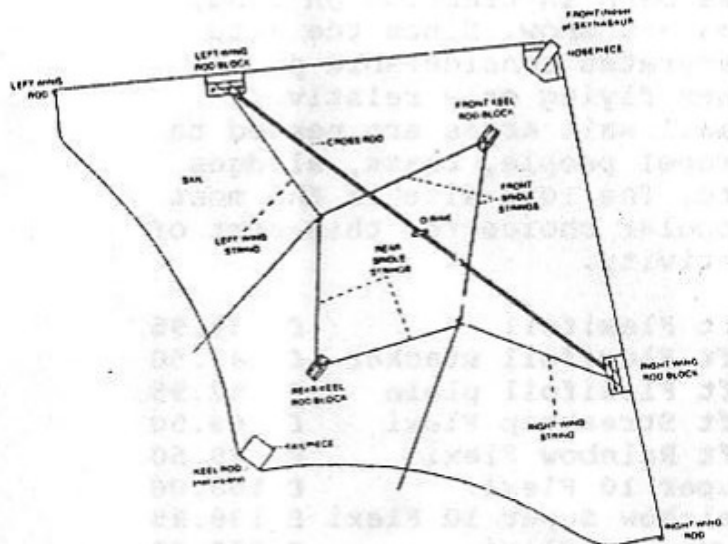
The smallest Skynasaur we stock the F36 is, well now, nippy & swift. Tough GRP rod and ripstop nylon construction with flexible black rubbery connector bits the F36 survives the close encounters of the ground kind that lay many another stunter to rest. Available in either plain colours (ask) or as a rainbow version the F36 is supplied without line or handles (use 40lb line).



F36 Plain	£ 12.95
F36 Rainbow	£ 15.50

Aerobat

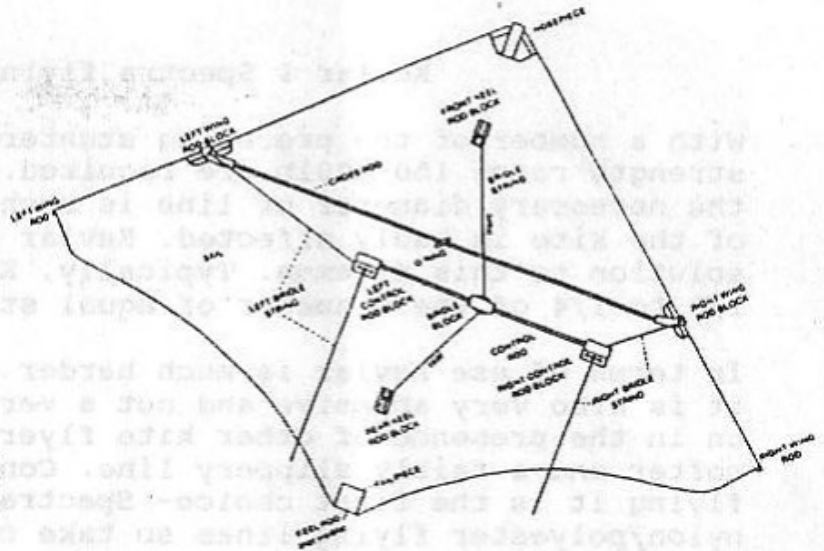
The big brother of the F36 the Aerobat is capable of all the tricks of its diminutive relation with the added advantage of flying in slightly less wind (the economies of scale are at work here, or should that be the efficiencies...). Identical materials & construction techniques to the F36 and again available in plain or rainbow versions. Supplied without line or handles (use 60lb line).



Aerobat Plain	£ 18.95
Aerobat Rainbow	£ 21.95

C74

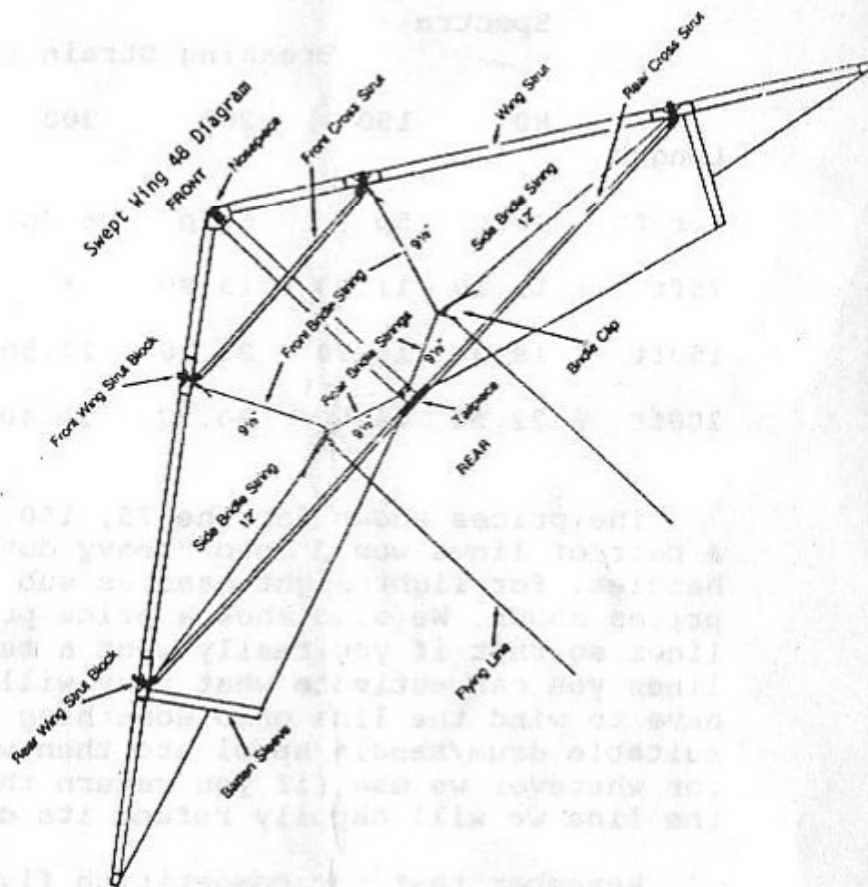
The Biggie. Constructed from hollow GRP tube and ripstop nylon the C74 flies in the lightest wind of any Skynasaur. It also develops a lot of pull as the wind increases so take care. Available with a two colour or rainbow sail the C74 is supplied without lines or handles (use 80lb in light wind or 100lb in medium winds- avoid strong winds).



- C74 Two Colour sail £ 32.95
- (4) Rainbow sail £ 38.50

SW48

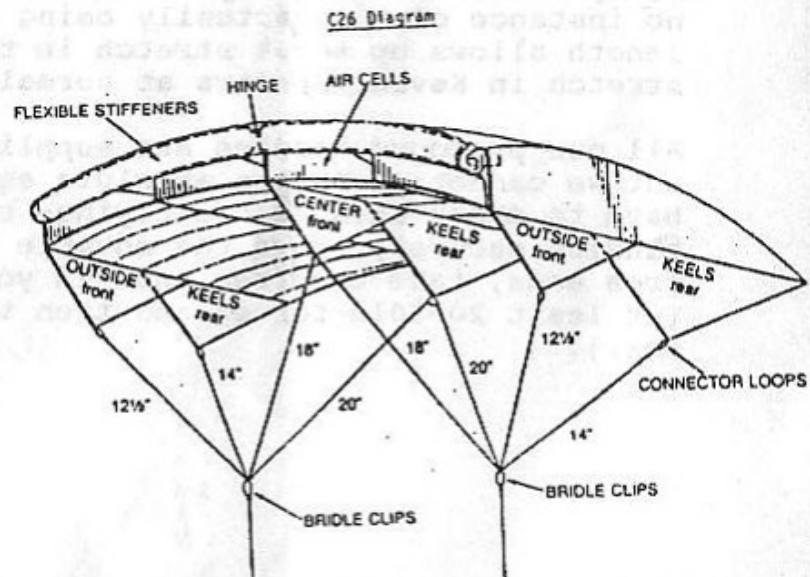
The SW48 is a curious kite to fly. Having a very smooth flight "feel" the SW48 needs quite a firm, but gentle, flying technique. Not a large or hard pulling kite the SW48 is nevertheless fast and whistles whilst it flies. Supplied without lines or handles (use 60lb line).



- SW48 Swept wing £ 30.00

C26 Skyfoil

What fun. A kite you can bounce on the ground with impunity. Great for people who won't read the instructions. Not fast, but turns quick and flies easily, the C26 is ideal for those of who need a stunt kite that folds small and is easy to transport. Supplied without lines or handles (use 40lb line).



- C26 Skyfoil £ 18.50

All spares (and ripstop sticky tape) available for Skynasaur range. Also, dogfight tails for those of you who must re-enact the Battle of Britain over & over & over again.

Kevlar & Spectra flying line

With a number of the preceding stunters flying lines in the strength range 150-300lb are required. In nylon or polyester the necessary diameter of line is such that the performance of the kite is badly affected. Kevlar & Spectra offer a solution to this dilemma. Typically, Kevlar & Spectra are 1/3 to 1/4 of the diameter of equal strength nylon lines.

In terms of use Kevlar is much harder wearing than Spectra- it is also very abrasive and not a very sociable line to fly on in the presence of other kite flyers. Spectra is much softer and a fairly slippery line. Consequently for Team flying it is the first choice- Spectra will be cut by normal nylon/polyester flying lines so take care when flying on crowded sites.

	Spectra					▲ Kevlar	
	Breaking Strain in Lbs						
Length	80	150	200	300	500	100	200
Per ft	4.8p	5p	6.6p	6.9p	11.6p	3.25p	4.65p
75ft	£ 11.10	11.40	13.80	*	*	8.80	11.10
150ft	£ 18.30	18.90	23.70	24.50	*	13.30	18.30
200ft	£ 22.50	24.00	30.30	31.40	51.30	16.85	22.50

The prices shown for the 75, 150 & 200ft lengths are for a pair of lines wound onto "heavy duty" Peter Powell plastic handles. For lightweight handles subtract £ 2.60 from the prices shown. We also show a price per foot for each of the lines so that if you really want a set of special length lines you can estimate what they will cost. Remember that we have to wind the line onto something so unless you supply a suitable drum/handle/spool etc then we will have to charge for whatever we use (if you return the object after removing the line we will happily refund its cost).

Remember that for competition flying maximum line length is specified as 160ft by the AKA rules (although I know of no instance of this actually being checked) thus our 150ft length allows up to 6% stretch in the lines (permanent stretch in Kevlar/Spectra at normal flying loads is 1.5%).

All our prewound handles are supplied sleeved at both ends, but we cannot guarantee absolute equality of length- you have to check this before flying- best way is to stake the handles securely, move the movable sleeve well clear of the free ends, take the free ends in your hand and pull firmly (at least 20-30lb force) and then trim them equal (+/- .5" max.).